BRUHATH BANGALORE MAHANAGARA PALIKE

Rajarajeshwari Nagar Zone

O/o Executive Engineer(Ele), Rajarajeshwari nagar Zone, BBMP, Bangalore

Schedule-B /Bill of Quantities

Memorandum Showing the Specifications, Quantities and Rates of items to be Executed

Tender Number: BBMP/2020-21/EL/WORK_INDENT46437

Name of the work: Providing Electrical Maintenance and repairs to Park lightings and other installation in ward No 16,37, and 38 of RR Nagar zone

Name of the contractor:			MAHANT KUMAR P T (AADITYA ELECTRICALS)					
SNo	Quantity	Item Name	Sanctioned Est Rates			Approved Tender Rates		
			Unit	Estimate Rate	Total Amount	Rate in figure	Rate in words	Total Amount
1	200	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments. 1.5 sqmm	Mtr	20.50	4100.00	10.00	Rupees Ten Only	2000.00
2	100	Wiring for lighting/power circuit using one of PVC insulated 1100V grade, stranded Aluminium wire single core in open or concealed system of wiring.4 sqmm	Mtr	9.00	900.00	5.00	Rupees Five Only	500.00
3	10	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 40 Amps DP	Each	1336.00	13360.00	800.00	Rupees Eight Hundred Only	8000.00
4	6	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947.60 to 70Amps	Each	4200.00	25200.00	3400.00	Rupees Three Thousand Four Hundred Only	20400.00
5	8	Supplying and fixing Microprocessor based Electronic timer (without contactor, Din Mounting using necessary bolts, nuts and washers etc.,.) 3-120sec setting.	Each	1925.00	15400.00	1500.00	Rupees One Thousand Five Hundred Only	12000.00
6	260	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975 4 core 10 sqmm	Mtr	130.00	33800.00	100.00	Rupees One Hundred Only	26000.00
7	260	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required. In existing trench/duct. 6 sqmm to 16 sqmm	Mtr	11.88	3088.80	8.00	Rupees Eight Only	2080.00
8	200	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7) In soil (ordinary)	Mtr	76.00	15200.00	60.00	Rupees Sixty Only	12000.00
9a	40	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes. 10 sqmm	Each	8.00	320.00	4.00	Rupees Four Only	160.00
9b	20	16 sqmm	Each	12.44	248.80	10.00	Rupees Ten Only	200.00
10	2	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers. 63 Amps	Each	227.00	454.00	150.00	Rupees One Hundred and Fifty Only	300.00

For AADITYA ELECTRICALS

	Quantity	Item Name	Sanctioned Est Rates			Approved Tender Rates		
			Unit	Estimate Rate	Total Amount	Rate in figure	Rate in words	Total Amount
11	20	Supply and Installation / Fixing / Provision of Pole box with HRC Fuse / MCB provision and suitable connector / terminal for 3 Ph / 1 Ph connections with Loop-In & Loop- Out terminals for 10 Sqmm / 25 Sqmm 3.5 C Al/Ar / Cu/ Ar Cable and branch out 2.5 Sqmm 2 core Al/Cu PVC Insulated cable, enclosed in a Thermoplastic, Polystyrene enclosure, which should be shock proof, safe, IP65(Weather Proof), rust proof, dust proof, water proof having Internally Embedded Gasket with provision for cable entry through IP65 Thermoplastic, polyamide glands and/or grommets. 200mmx200mmx98mm	Each	1917.00	38340.00	1500.00	Rupees One Thousand Five Hundred Only	30000.00
12	24	Supply of LED pole mounting type post top lantern with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate/ clear glass material, delivering superior light output.Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/Overload, short circuit/ miss-wiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB . LED Efficiency>130lm/w, nominal CRI >75. Luminaire manufacturer should have in- house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 . Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 2 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer & Cree/Nichia/ Lumileds/Osram make LED Source. LED Post Top Lantern with 35 watts	No	6400.00	153600.00	5100.00	Rupees Five Thousand One Hundred Only	122400.00

For AADITYA ELECTRICALS

Proprietor

	Quantity	Item Name	Sanctioned Est Rates			Approved Tender Rates		
			Unit	Estimate Rate	Total Amount	Rate in figure	Rate in words	Total Amount
13	15	Supply of LED Streetlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate material, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, maximum light intensity should be between 60 degrees to 70 degrees. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/ Overload, short circuit/ miss-wiring protection. Compatible for pole mouting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with W System Power consumption. LED Efficiency>130lm/w, nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 . Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 2 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer & Cree/Nichia/ Lumileds/Osram make LED Source. LED Streetlight 25watts	No	1840.00	27600.00	1500.00	Rupees One Thousand Five Hundred Only	22500.00
14a	102	Supplying & fixing LED Drivers suitable for 5700K LED fitting Outdoor Fixtures. Operating voltage range from 180V to 265V, 50Hz AC power Supply a) 25W 5700K suitable for outdoor LED fitting.	Each	1198.00	122196.00	800.00	Rupees Eight Hundred Only	81600.00
14b	15	b) 90W 5700K suitable for outdoor LED fitting.	Each	3345.00	50175.00	2300.00	Rupees Two Thousand Three Hundred Only	34500.00
15	16	b) 90W 5700K suitable for outdoor LED fitting.	No	550.00	8800.00	300.00	Rupees Three Hundred Only	4800.00
		Total Amount			**512782.6**			**379440.00**
		Tender Premium						**-26.00**

Certificate:-

a) I agree to Execute this work at the Rates mentioned above in the Schedule-B/BOQ.
b) I am ready to carry out the work as per the directions of Engineer-in-Charge of Work.
c) I am ready to carry out the work as per the tender terms and conditions.

For AADITYA ELECTRICALS

Seal & Signature of Contractor
Proprietor

Executive Engineer(Ele),
Bruhat Bangalore Mahanagara Palike,
RR Nagar Zone